

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	16107	(separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4 split\$4 delimit\$4) near4 (speech\$4 voic\$4 utteranc\$4)	US-PGPUB; USPAT	OR	OFF	2006/09/28 11:12
L2	243	(separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4 split\$4 delimit\$4) near4 (speech\$4 voic\$4 utteranc\$4) same HMM	US-PGPUB; USPAT	OR	OFF	2006/09/28 11:12
L3	308	(separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4 split\$4 delimit\$4) near4 (speech\$4 voic\$4 utteranc\$4) same (HMM or (Hidden\$4 near Markov\$4))	US-PGPUB; USPAT	OR	OFF	2006/09/28 11:14
L4	86	(separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4 split\$4 delimit\$4) near4 (speech\$4 voic\$4 utteranc\$4) same (HMM or (Hidden\$4 near Markov\$4)) same phonem\$5	US-PGPUB; USPAT	OR	OFF	2006/09/28 11:14
L7	1	"6064957".pn. and phoneme\$4	US-PGPUB; USPAT	OR	OFF	2006/09/28 12:24
L8	1	"5487671".pn.	US-PGPUB; USPAT	OR	OFF	2006/09/28 12:50
L9	1	"5487671".pn. and boundar\$7	US-PGPUB; USPAT	OR	OFF	2006/09/28 12:53
L10	0	"6064957".pn. and boundar\$7	US-PGPUB; USPAT	OR	OFF	2006/09/28 12:53
S1	3019	learn\$4 and foreign\$5 and languag\$4	US-PGPUB; USPAT	OR	OFF	2006/09/25 16:57
S2	443	learn\$4 and foreign\$5 and languag\$4 and speech\$4 same recogni\$6	US-PGPUB; USPAT	OR	OFF	2005/06/09 09:53
S3	425	learn\$4 and foreign\$5 and languag\$4 and speech\$4 same recogni\$6 and (separat\$5 or divi\$5 or segment\$6)	US-PGPUB; USPAT	OR	OFF	2004/08/16 15:41
S4	42	learn\$4 and foreign\$5 and languag\$4 and speech\$4 same recogni\$6 and (separat\$5 or divi\$5 or segment\$6) and yamada	US-PGPUB; USPAT	OR	OFF	2004/08/16 15:44
S5	163	learn\$4 and foreign\$5 and languag\$4 and speech\$4 same recogni\$6 and (separat\$5 or divi\$5 or segment\$6) and "704"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/16 15:45

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S6	81	learn\$4 and foreign\$5 and languag\$4 and speech\$4 same recogni\$6 and (separat\$5 or divi\$5 or segment\$6) and phoneme\$4 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/16 18:03
S7	0	"5487671".pn. and formant\$4	US-PGPUB; USPAT	OR	OFF	2004/08/16 16:26
S8	0	"5487671".pn. and plan\$5	US-PGPUB; USPAT	OR	OFF	2004/08/16 15:46
S9	0	"5487671".pn. and print	US-PGPUB; USPAT	OR	OFF	2004/08/16 16:26
S10	0	"5487671".pn. and print\$4	US-PGPUB; USPAT	OR	OFF	2004/08/16 16:26
S11	1	"5487671".pn.	US-PGPUB; USPAT	OR	OFF	2004/08/16 16:30
S12	1	"5487671".pn. and evaluat\$5	US-PGPUB; USPAT	OR	OFF	2004/08/16 16:40
S13	0	"5487671".pn. and advanc\$4	US-PGPUB; USPAT	OR	OFF	2004/08/16 16:41
S14	0	"5487671".pn. and sentenc\$4	US-PGPUB; USPAT	OR	OFF	2004/08/16 16:47
S15	1	"5487671".pn. and recogni\$7	US-PGPUB; USPAT	OR	OFF	2004/08/16 17:18
S16	1	"5487671".pn. and program\$5	US-PGPUB; USPAT	OR	OFF	2004/08/16 17:18
S17	0	learn\$4 and foreign\$5 and languag\$4 and speech\$4 same recogni\$6 and (separat\$5 or divi\$5 or segment\$6) and phoneme\$4 same recogni\$6704/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/16 18:03
S18	66	learn\$4 and foreign\$5 and languag\$4 and speech\$4 same recogni\$6 and (separat\$5 or divi\$5 or segment\$6) and phoneme\$4 same recogni\$6 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/16 18:05
S19	48	learn\$4 and foreign\$5 and languag\$4 and speech\$4 same recogni\$6 and (separat\$5 or divi\$5 or segment\$6) and phoneme\$4 same recogni\$6 and sentence\$4 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/16 18:06
S20	1	"5487671".pn. and sum\$8	US-PGPUB; USPAT	OR	OFF	2004/08/16 18:50
S21	1	"5487671".pn. and add\$8	US-PGPUB; USPAT	OR	OFF	2004/08/16 18:50

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S22	0	"5487671".pn. and combin\$8	US-PGPUB; USPAT	OR	OFF	2004/08/16 18:51
S23	0	"5487671".pn. and array\$4	US-PGPUB; USPAT	OR	OFF	2004/08/16 18:55
S24	1	"5487671".pn. and pronu\$8	US-PGPUB; USPAT	OR	OFF	2004/08/16 18:56
S28	613	learn\$4 and foreign\$5 and languag\$4 and (speech\$4 or voic\$4) near recogni\$6	US-PGPUB; USPAT	OR	OFF	2005/06/09 09:54
S29	582	learn\$4 and foreign\$5 and languag\$4 and (speech\$4 or voic\$4) near recogni\$6 and (separat\$5 or divi\$5 or segment\$6)	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:36
S30	3	learn\$4 and foreign\$5 and languag\$4 and (speech\$4 or voic\$4) near recogni\$6 and (separat\$5 or divi\$5 or segment\$6) and model\$4 near phonem\$4 with array\$4	US-PGPUB; USPAT	OR	OFF	2005/06/09 09:57
S31	3	learn\$4 and foreign\$5 and languag\$4 and (speech\$4 or voic\$4) near recogni\$6 and (separat\$5 or divi\$5 or segment\$6 or pars\$4) and model\$4 near phonem\$4 with array\$4	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:04
S32	697	(learn\$4 or teach\$4) same foreign\$5 near languag\$4	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:04
S33	3	(learn\$4 or teach\$4) same foreign\$5 near languag\$4 and (speech\$4 or voic\$4) near recogni\$6 and (separat\$5 or divi\$5 or segment\$6 or pars\$4) and model\$4 near phonem\$4 with array\$4	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:05
S34	3	(learn\$4 or teach\$4) same foreign\$5 near languag\$4 and model\$4 near phonem\$4 with array\$4	US-PGPUB; USPAT	OR	OFF	2006/01/19 22:45
S35	1	(learn\$4 or teach\$4) same foreign\$5 near languag\$4 and model\$4 with phonem\$4 near array\$4	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:05
S36	1	(learn\$4 or teach\$4) same foreign\$5 near languag\$4 and model\$4 same phonem\$4 near array\$4	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:05

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S37	3	(learn\$4 or teach\$4) same foreign\$5 near languag\$4 and model\$4 near phonem\$4 same array\$4	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:06
S38	1	(learn\$4 or teach\$4) same foreign\$5 near languag\$4 and likelihood\$4 near distribut\$6	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:07
S39	4	(learn\$4 or teach\$4) same foreign\$5 near languag\$4 and likelihood\$4 with distribut\$6	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:08
S40	593	(learn\$4 or teach\$4) with foreign\$5 near languag\$4	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:08
S41	101	(learn\$4 or teach\$4) with foreign\$5 near languag\$4 and (speech\$4 or voic\$4) near recogni\$6	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:09
S42	49	(learn\$4 or teach\$4) with foreign\$5 near languag\$4 and (speech\$4 or voic\$4) near recogni\$6 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:09
S43	12	(US-20020160341-\$ or US-20040215445-\$).did. or (US-5487671-\$ or US-6006175-\$ or US-6148105-\$ or US-6438524-\$ or US-6249763-\$ or US-6224383-\$ or US-6085160-\$ or US-6071123-\$ or US-5832478-\$ or US-5813862-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:46
S44	5	((US-20020160341-\$ or US-20040215445-\$).did. or (US-5487671-\$ or US-6006175-\$ or US-6148105-\$ or US-6438524-\$ or US-6249763-\$ or US-6224383-\$ or US-6085160-\$ or US-6071123-\$ or US-5832478-\$ or US-5813862-\$).did.) and array\$4	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:26
S45	1	((US-20020160341-\$ or US-20040215445-\$).did. or (US-5487671-\$ or US-6006175-\$ or US-6148105-\$ or US-6438524-\$ or US-6249763-\$ or US-6224383-\$ or US-6085160-\$ or US-6071123-\$ or US-5832478-\$ or US-5813862-\$).did.) and array\$4 near (phonem\$4 or model\$4)	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:26

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S46	2	((US-20020160341-\$ or US-20040215445-\$).did. or (US-5487671-\$ or US-6006175-\$ or US-6148105-\$ or US-6438524-\$ or US-6249763-\$ or US-6224383-\$ or US-6085160-\$ or US-6071123-\$ or US-5832478-\$ or US-5813862-\$).did.) and array\$4 same (phonem\$4 or model\$4)	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:31
S47	3	((US-20020160341-\$ or US-20040215445-\$).did. or (US-5487671-\$ or US-6006175-\$ or US-6148105-\$ or US-6438524-\$ or US-6249763-\$ or US-6224383-\$ or US-6085160-\$ or US-6071123-\$ or US-5832478-\$ or US-5813862-\$).did.) and likelihood\$4	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:31
S48	32	learn\$4 and foreign\$5 and languag\$4 and (speech\$4 or voic\$4) near recogni\$6 and (separat\$5 or divi\$5 or segment\$6) and (distribut\$5 or likelihood\$4) with plan\$4	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:38
S49	10	(teach\$4 or learn\$4) with foreign\$5 near languag\$4 and (speech\$4 or voic\$4) near recogni\$6 and (separat\$5 or divi\$5 or segment\$6) and (distribut\$5 or likelihood\$4) with plan\$4	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:39
S50	7	((US-20020160341-\$ or US-20040215445-\$).did. or (US-5487671-\$ or US-6006175-\$ or US-6148105-\$ or US-6438524-\$ or US-6249763-\$ or US-6224383-\$ or US-6085160-\$ or US-6071123-\$ or US-5832478-\$ or US-5813862-\$).did.) and evaluat\$4	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:46
S51	0	((US-20020160341-\$ or US-20040215445-\$).did. or (US-5487671-\$ or US-6006175-\$ or US-6148105-\$ or US-6438524-\$ or US-6249763-\$ or US-6224383-\$ or US-6085160-\$ or US-6071123-\$ or US-5832478-\$ or US-5813862-\$).did.) and evaluat\$4 near speech\$4	US-PGPUB; USPAT	OR	OFF	2005/06/09 10:46

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S52	7	((US-20020160341-\$ or US-20040215445-\$).did. or (US-5487671-\$ or US-6006175-\$ or US-6148105-\$ or US-6438524-\$ or US-6249763-\$ or US-6224383-\$ or US-6085160-\$ or US-6071123-\$ or US-5832478-\$ or US-5813862-\$).did.) and evaluat\$4	US-PGPUB; USPAT	OR	OFF	2005/06/09 11:05
S53	1	model\$4 with phonem\$4 near array\$4	US-PGPUB; USPAT	OR	OFF	2005/06/09 11:41
S54	0	"5487671".pn. and sentenc\$4	US-PGPUB; USPAT	OR	OFF	2005/06/09 11:41
S55	1	"20020160341".did.	US-PGPUB; USPAT	OR	OFF	2006/01/19 22:26
S56	1	"20020160341".did. and array and phon\$6 and boundar\$6	US-PGPUB; USPAT	OR	OFF	2006/01/19 22:26
S57	1	"20020160341".did. and array and phon\$6 and boundar\$6 same sentenc\$5	US-PGPUB; USPAT	OR	OFF	2006/01/19 22:35
S58	1	"20020160341".did. and boundar\$6	US-PGPUB; USPAT	OR	OFF	2006/01/19 22:39
S59	0	"5487671".pn. and array\$5	US-PGPUB; USPAT	OR	OFF	2006/01/19 22:40
S60	1	"5487671".pn. and boundar\$6	US-PGPUB; USPAT	OR	OFF	2006/01/19 22:42
S61	1	"5487671".pn. and phon\$6	US-PGPUB; USPAT	OR	OFF	2006/01/19 22:42
S62	3	(separat\$5 divid\$4 division\$4 partition\$5 segment\$6 section\$5) near4 (sentenc\$5 word\$4) same (phone\$5 near4 array\$4)\	US-PGPUB; USPAT	OR	OFF	2006/01/19 22:47
S63	3	(separat\$5 divid\$4 division\$4 partition\$5 segment\$6 section\$5) near4 (sentenc\$5 word\$4) same (phone\$5 near4 array\$4)	US-PGPUB; USPAT	OR	OFF	2006/01/19 22:48
S64	43	(phone\$5 near4 array\$4) same (boundar\$5 limit\$4 border\$6)	US-PGPUB; USPAT	OR	OFF	2006/01/19 22:53
S65	1	"6029131".pn. and (phone\$5 near4 array\$4) same (boundar\$5 limit\$4 border\$6) and (segment\$6 divid\$4 division\$4)	US-PGPUB; USPAT	OR	OFF	2006/01/19 22:54
S66	1	"6029131".pn. and (phone\$5 near4 array\$4) same (boundar\$5 limit\$4 border\$6) and (segment\$6 divid\$4 division\$4 seperat\$5 section)	US-PGPUB; USPAT	OR	OFF	2006/01/19 22:54

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S67	1	"6029131".pn. and (phonem\$5 near\$4 array\$4) same (boundar\$5 limit\$4 border\$6) and (segment\$6 divid\$4 division\$4 separat\$5 section)	US-PGPUB; USPAT	OR	OFF	2006/01/19 22:55
S68	1	"6029131".pn. and (divid\$6 sub\$4divi\$6 pars\$4 separat\$4 segment\$4 section\$4 branch\$4)	US-PGPUB; USPAT	OR	OFF	2006/09/25 17:24
S69	1	model with phonem\$5 near array\$4	US-PGPUB; USPAT	OR	OFF	2006/09/25 17:25
S70	2	model with phonem\$5 near\$4 array\$4	US-PGPUB; USPAT	OR	OFF	2006/09/25 17:25
S71	39	phonem\$5 near\$4 array\$4	US-PGPUB; USPAT	OR	OFF	2006/09/25 17:28
S72	1	(phonem\$5 near\$4 array\$4) with ((separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4) near\$4 (word\$4 sentenc\$4 phras\$4))	US-PGPUB; USPAT	OR	OFF	2006/09/25 17:27
S73	2	(phonem\$5 near\$4 array\$4) same ((separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4) near\$4 (word\$4 sentenc\$4 phras\$4))	US-PGPUB; USPAT	OR	OFF	2006/09/25 17:31
S74	375	(phonemes) same ((separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4) near\$4 (word\$4 sentenc\$4 phras\$4))	US-PGPUB; USPAT	OR	OFF	2006/09/26 12:11
S75	260	(phonemes) with ((separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4) near\$4 (word\$4 sentenc\$4 phras\$4))	US-PGPUB; USPAT	OR	OFF	2006/09/25 17:32
S76	176	(phonemes) with ((separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4) near\$2 (word\$4 sentenc\$4 phras\$4))	US-PGPUB; USPAT	OR	OFF	2006/09/25 17:32
S77	128	(phonemes) with ((separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4) near\$2 (word\$4 sentenc\$4 phras\$4)) and "704"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/25 17:33
S78	49	(phonemes) with ((separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4) near\$2 (word\$4 sentenc\$4 phras\$4)) and boundaries\$4 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/25 17:34

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S79	52	(phonemes) with ((separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4) near2 (word\$4 sentenc\$4 phras\$4)) and boundar\$4 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/25 17:34
S80	52	(phonemes) with ((separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4) near2 (word\$4 sentenc\$4 phras\$4)) and boundar\$7 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/26 11:12
S81	1	"5487671".pn. and bound\$6	US-PGPUB; USPAT	OR	OFF	2006/09/26 09:31
S82	5	(phonemes) with (delimit\$6 split\$4) near3 word\$	US-PGPUB; USPAT	OR	OFF	2006/09/26 11:12
S83	1	(phonemes) with (delimit\$6 split\$4) near3 sentence\$6	US-PGPUB; USPAT	OR	OFF	2006/09/26 11:12
S84	6	(phonemes) with ((separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4 split\$4 delimit\$4) near2 (sentenc\$4)) and boundar\$7 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/26 11:16
S85	8	(phonemes) with ((separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4 split\$4 delimit\$4) near2 (utteranc\$6)) and boundar\$7 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/26 11:27
S86	1	"20060190256".did.	US-PGPUB; USPAT	OR	OFF	2006/09/26 11:27
S87	0	("2006/0190256").URPN.	USPAT	OR	OFF	2006/09/26 11:27
S88	0	("2006/0190256").URPN.	USPAT	OR	OFF	2006/09/26 11:28
S89	42	(phonemes) same ((separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4) near4 (word\$4 and sentenc\$4))	US-PGPUB; USPAT	OR	OFF	2006/09/26 12:11
S90	27	(phonemes) same ((separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4) near4 (word\$4 and sentenc\$4)) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/26 17:07
S91	2	("5960447" "5799273").pn.	US-PGPUB; USPAT	OR	OFF	2006/09/26 17:10
S92	0	("5960447" "5799273").pn.) and phonem\$5	US-PGPUB; USPAT	OR	OFF	2006/09/26 17:08
S93	2	("5960447" "5799273").pn. and audio\$4	US-PGPUB; USPAT	OR	OFF	2006/09/26 17:13
S94	0	("5960447" "5799273").pn. and HMM	US-PGPUB; USPAT	OR	OFF	2006/09/26 17:20



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S95	2	("5960447" "5799273").pn. and (separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4 split\$4 delimit\$4)	US-PGPUB; USPAT	OR	OFF	2006/09/26 17:24
S96	2444	(separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4 split\$4 delimit\$4) near4 sentenc\$4	US-PGPUB; USPAT	OR	OFF	2006/09/26 17:25
S97	38	(separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4 split\$4 delimit\$4) near4 sentenc\$4 with phoneme\$4	US-PGPUB; USPAT	OR	OFF	2006/09/26 17:25
S98	38	(separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4 split\$4 delimit\$4) near4 sentenc\$4 with phoneme\$4 and704/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/27 17:29
S99	28	(separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4 split\$4 delimit\$4) near4 sentenc\$4 with phoneme\$4 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/27 17:33
S100	192	(separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4 split\$4 delimit\$4) near4 sentenc\$4 with word\$4 and phonem\$6	US-PGPUB; USPAT	OR	OFF	2006/09/28 11:12
S101	36	(separat\$4 pars\$4 divid\$4 sub\$4divid\$4 segment\$4 split\$4 delimit\$4) near4 sentenc\$4 with (word\$4 and phonem\$6)	US-PGPUB; USPAT	OR	OFF	2006/09/28 12:24